

TARGET 3G

Name _____ Date _____

Solve each equation.

$$1) \left| \frac{x}{5} \right| = 4$$

$$2) \left| \frac{r}{10} \right| = 3$$

$$3) |5m| = 10$$

$$4) |3n| = 3$$

$$5) |-6 + 8m| = -54$$

$$6) |-7x + 7| = 56$$

$$7) |-10r + 8| = 22$$

$$8) |-3n + 7| = -26$$

$$9) -2 \left| \frac{p}{2} \right| = -3$$

$$10) \frac{|9k|}{6} = 4$$

$$11) 10 + |3a| = 34$$

$$12) 7|x + 3| = 77$$

$$13) 4 \left| \frac{n}{7} \right| - 10 = -6$$

$$14) 2 - 6 \left| \frac{x}{8} \right| = -4$$

TARGET 3G ANSWERS

1) $\{20, -20\}$

5) No solution.

9) $\{3, -3\}$

13) $\{7, -7\}$

2) $\{30, -30\}$

6) $\{-7, 9\}$

10) $\left\{\frac{8}{3}, -\frac{8}{3}\right\}$

14) $\{8, -8\}$

3) $\{2, -2\}$

7) $\left\{-\frac{7}{5}, 3\right\}$

11) $\{8, -8\}$

4) $\{1, -1\}$

8) No solution.

12) $\{8, -14\}$